

Position Description (PD) for Yucca Mountain Lead Lab Activities

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|---|--|--------------------------|
| Position Description Number | YM012 | |
| Creation Date of PD | 6/30/06 | |
| Job Title | Materials Science/Corrosion Specialists | |
| SNL Dept Name | YMP Repository Test and Analysis | |
| SNL Org Number (or TBD) | 06855 | |
| Number of Openings | 3 | |
| Description of Position | Develop models and analyses to document the technical basis for the YMP's TSPA representation of the corrosion and early failure of YMP waste package outer barrier, cladding, and drip shield. Prepare reports in support of the license application. | |
| Required Skills & Experience | 2 years experience with engineered barrier systems of YMP. Familiarity with YMP post-closure science technical basis. | |
| Desired Skills & Experience (if applicable) | | |
| Required Education (Degrees & Levels) | B.Sc. or higher in Nuclear, Mechanical, materials science or Chemical engineering or the physical sciences. | |
| Desired Education (Degrees & Levels - if applicable) | | |
| Full Time Position? (Y/N) | Y | |
| Job Requires lifting 35+ Pounds (Y/N) | N | |
| Desired Start Date | 10/1/06 | |
| Can this position accommodate... | | |
| Part Time Employees? (Y/N) | Telecommuting? (Y/N) | Foreign Nationals? (Y/N) |
| | | |

Please Select All Related WBS Elements for this PD
(required for distributing PDs to contract providers for sourcing)

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|------------------------|--|---|
| WBS Elements of 1.5.03 | | X |
| 1.5.03.07 | Engineered Barriers System Performance - Post Closure Safety | X |

Sand #: 2006-4508W